

Data File : VU032251.D
Acq On : 23 May 2019 03:54
Operator : JC/SP
Sample : K3001-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E3YF1

Quant Time: May 23 07:25:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 23 07:22:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	366127	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	380759	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	147604	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	112184	5.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.20%
7) Chloroethane-d5	1.67	69	95965	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.00%
11) 1,1-Dichloroethene-d2	2.27	63	194649	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.80%
20) 2-Butanone-d5	4.19	46	237316	40.92	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.84%
24) Chloroform-d	4.64	84	219185	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.40%
26) 1,2-Dichloroethane-d4	5.31	65	106809	3.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.80%
32) Benzene-d6	5.33	84	450824	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.40%
36) 1,2-Dichloropropane-d6	6.33	67	133261	3.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.00%
41) Toluene-d8	7.56	98	375883	3.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.60%
43) trans-1,3-Dichloropropene-	7.85	79	42967	3.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	63.60%
46) 2-Hexanone-d5	8.31	63	199418	39.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.56%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	105317	3.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	60.40%#
64) 1,2-Dichlorobenzene-d4	11.86	152	136078	3.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	67.00%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.31	85	42593	2.721	ug/L 97
3) Chloromethane	1.33	50	4885	0.311	ug/L 92
9) Trichlorofluoromethane	1.88	101	6476	0.315	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1996	0.154	ug/L # 18
12) 1,1-Dichloroethene	2.28	96	60049	4.609	ug/L # 77
13) Acetone	2.32	43	13291	7.396	ug/L 98
18) trans-1,2-Dichloroethene	2.97	96	6426	0.459	ug/L 97
19) 1,1-Dichloroethane	3.44	63	512886	23.745	ug/L 97
21) 2-Butanone	4.30	43	3901	1.439	ug/L 78
22) cis-1,2-Dichloroethene	4.22	96	46422	3.400	ug/L 97
25) Chloroform	4.67	83	7905	0.339	ug/L 87
29) 1,1,1-Trichloroethane	4.91	97	491559	24.873	ug/L 98
31) Carbon tetrachloride	4.91	117	67272	3.864	ug/L 99
34) Trichloroethene	6.18	95	64632	4.676	ug/L 94
35) Methylcyclohexane	6.33	83	32107	1.577	ug/L # 20
37) 1,2-Dichloropropane	6.33	63	13067	1.054	ug/L # 87
38) Bromodichloromethane	6.76	83	1402	0.087	ug/L # 63

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052219\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 23 07:22:00 2019
Response via : Initial Calibration

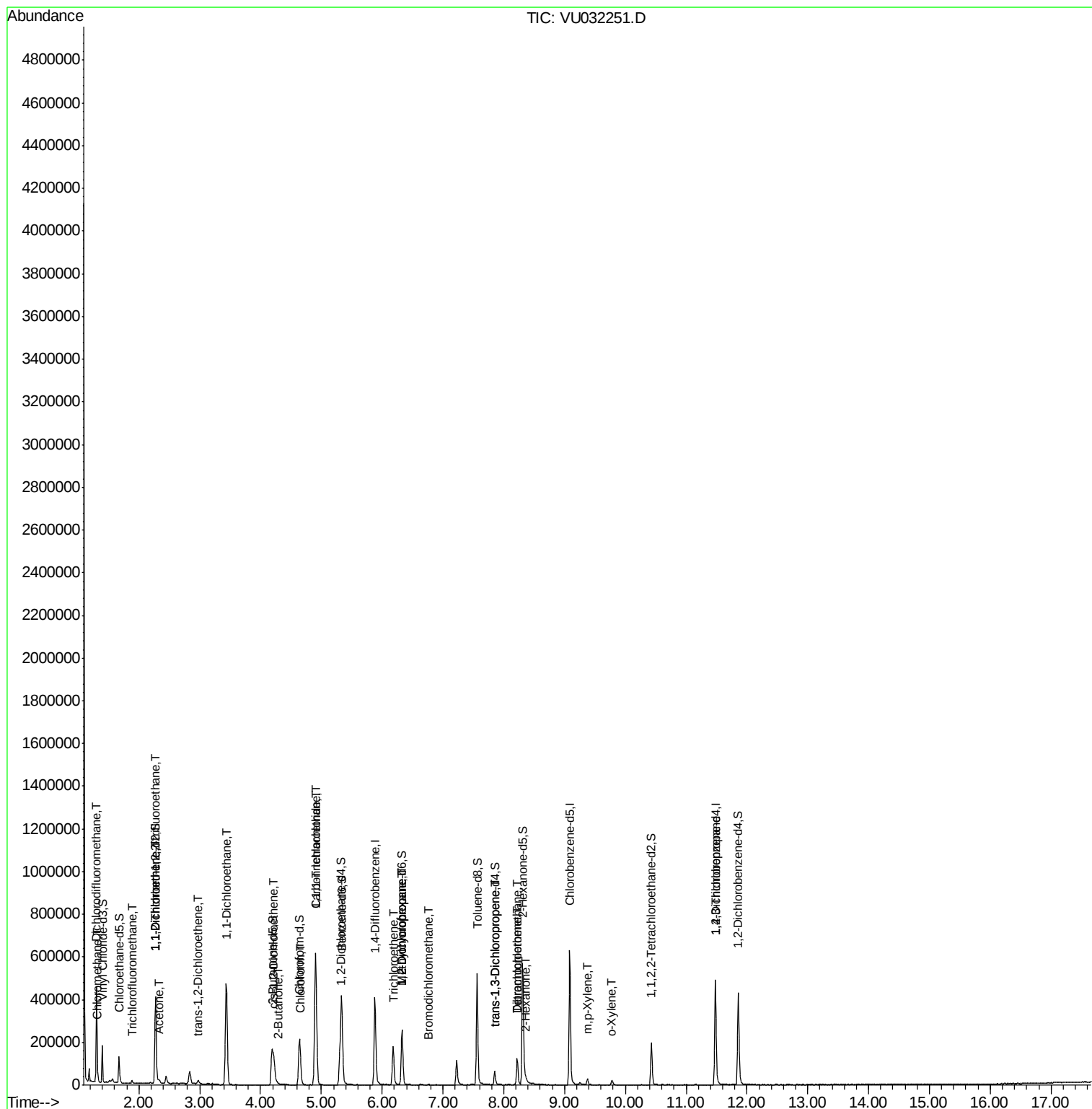
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.85	75	1736	0.125	ug/L	93
47) Tetrachloroethene	8.22	164	30988	2.716	ug/L	93
48) 2-Hexanone	8.37	43	7404	1.540	ug/L #	50
49) Dibromochloromethane	8.22	129	29637	2.719	ug/L #	13
53) m,p-Xylene	9.38	106	9552	0.466	ug/L	75
54) o-Xylene	9.78	106	6041	0.295	ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	14814	1.834	ug/L	93

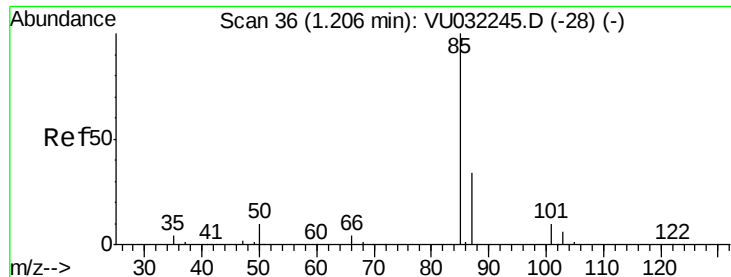
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.721 ug/L

RT: 1.31 min Scan# 67

Delta R.T. 0.10 min

Lab File: VU032251.D

Acq: 23 May 2019 03:54

Instrument :

MSVOA_U

ClientSampleId :

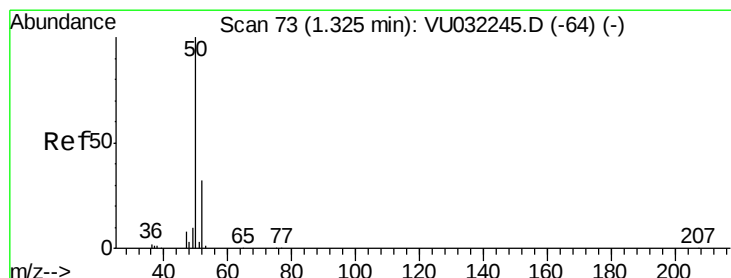
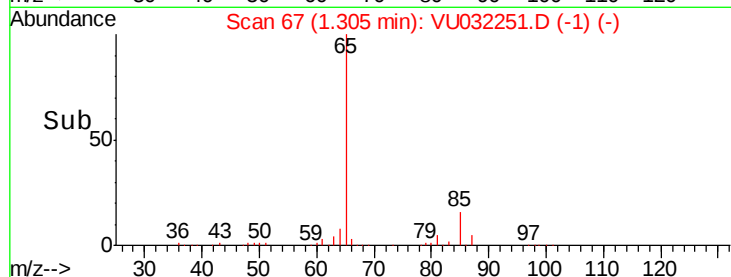
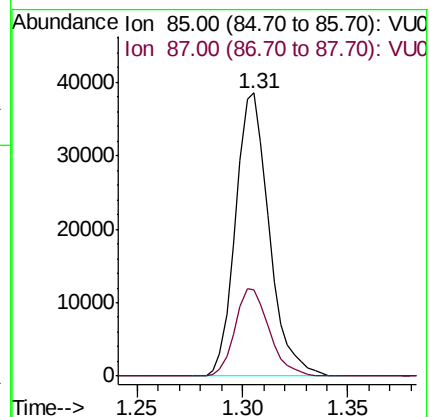
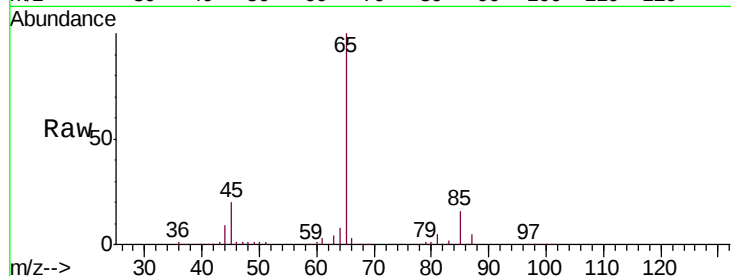
E3YF1

Tgt Ion: 85 Resp: 42593

Ion Ratio Lower Upper

85 100

87 31.3 26.6 39.8



#3

Chloromethane

Concen: 0.311 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU032251.D

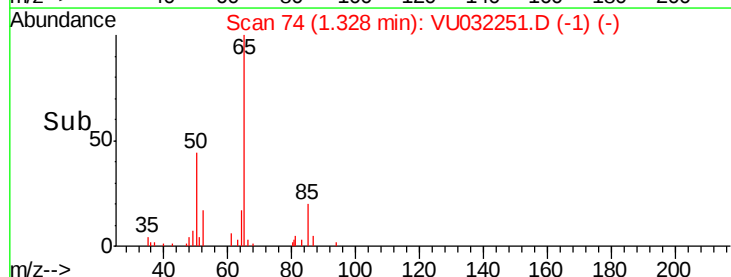
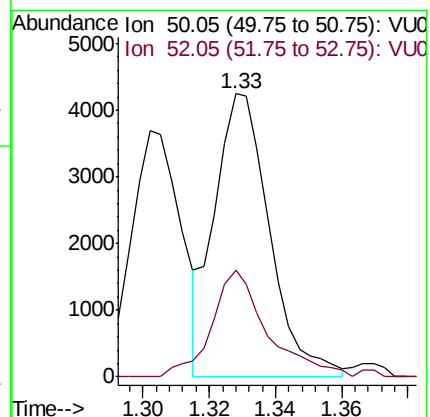
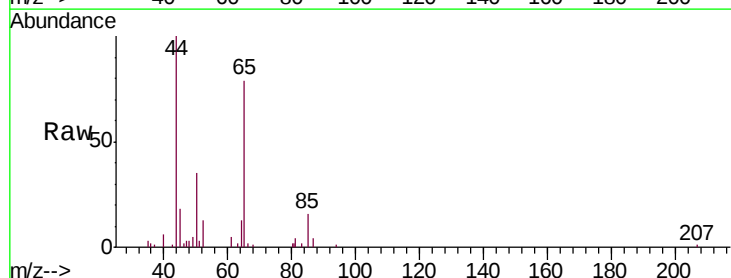
Acq: 23 May 2019 03:54

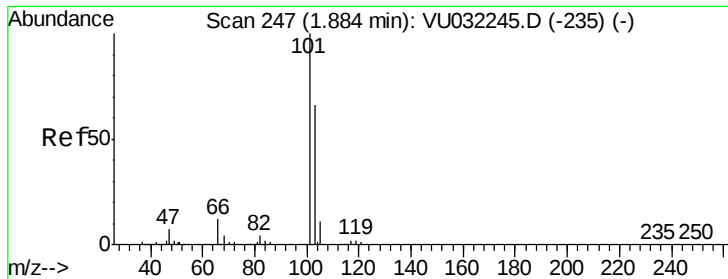
Tgt Ion: 50 Resp: 4885

Ion Ratio Lower Upper

50 100

52 37.8 23.3 43.3





#9

Trichlorofluoromethane

Concen: 0.315 ug/L

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU032251.D

Acq: 23 May 2019 03:54

Instrument :

MSVOA_U

ClientSampleId :

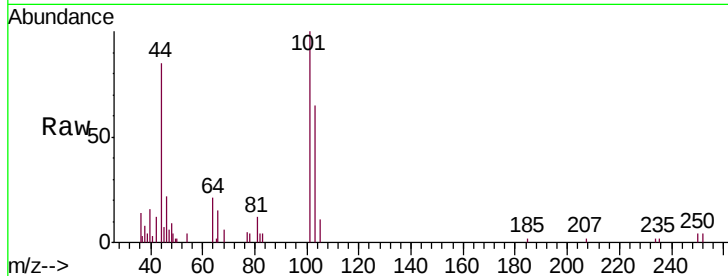
E3YF1

Tgt Ion:101 Resp: 6476

Ion Ratio Lower Upper

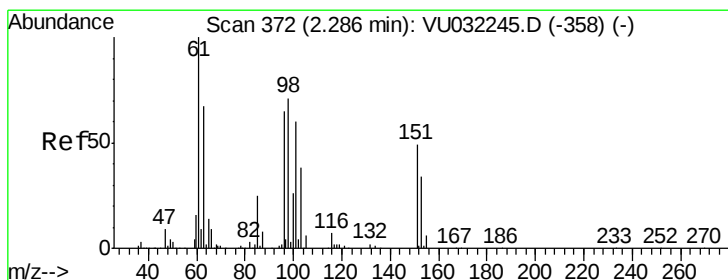
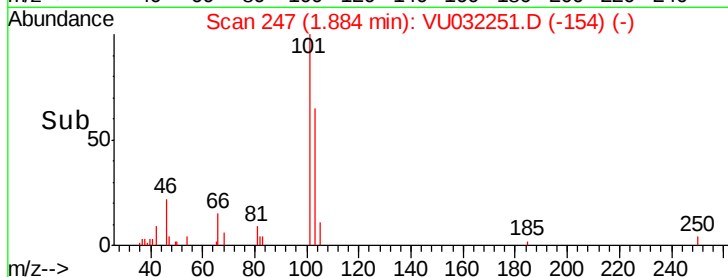
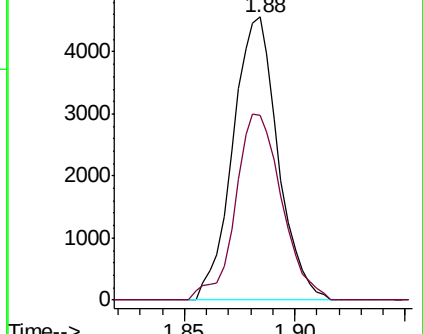
101 100

103 67.4 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.154 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU032251.D

Acq: 23 May 2019 03:54

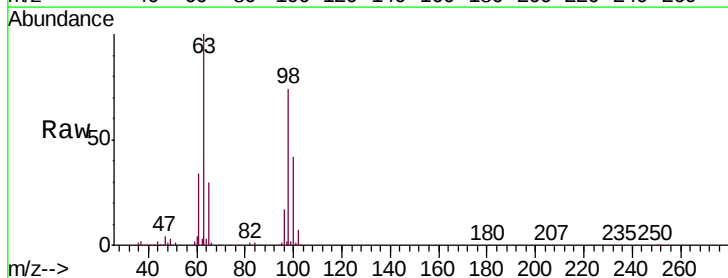
Tgt Ion:101 Resp: 1996

Ion Ratio Lower Upper

101 100

85 0.0 34.2 51.4#

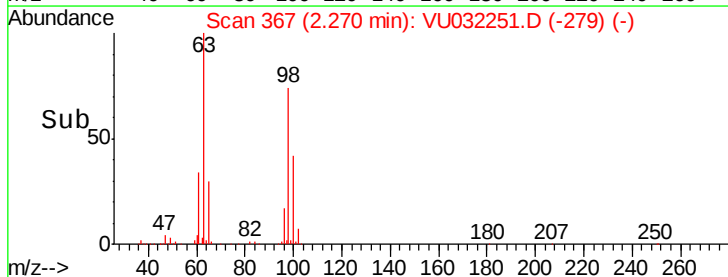
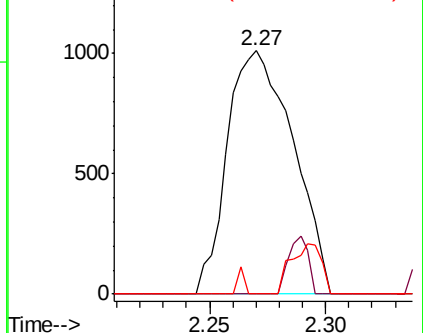
151 1.1 64.4 96.6#

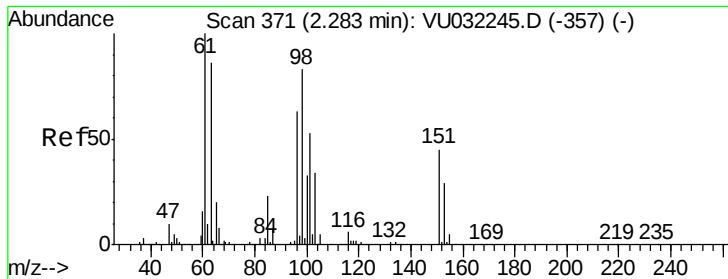


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

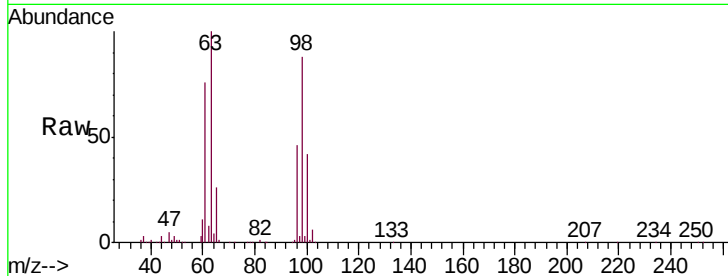




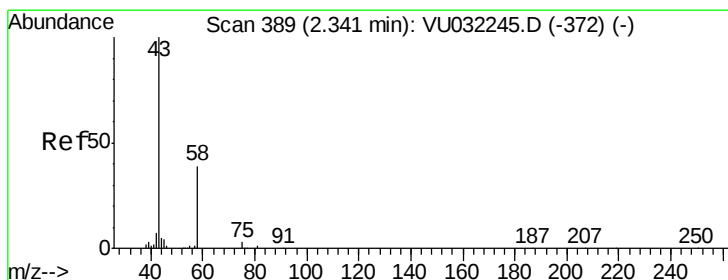
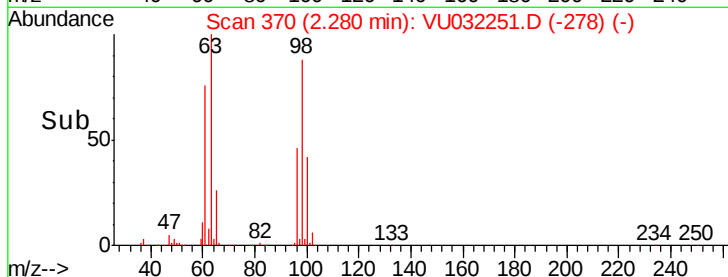
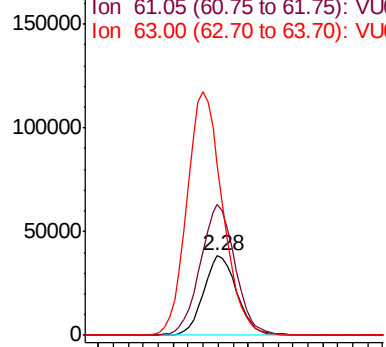
#12
 1,1-Dichloroethene
 Concen: 4.609 ug/L
 RT: 2.28 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VU032251.D
 Acq: 23 May 2019 03:54

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YF1

Tgt Ion: 96 Resp: 60049
 Ion Ratio Lower Upper
 96 100
 61 164.8 113.8 211.3
 63 215.4 108.8 202.2#

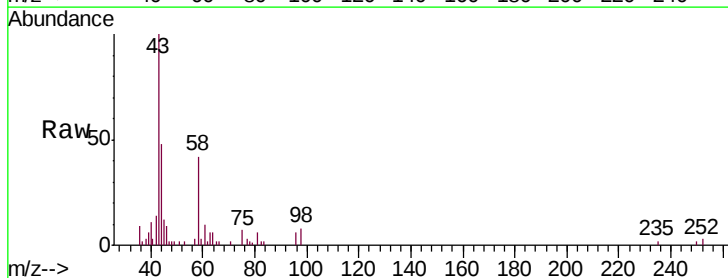


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 63.00 (62.70 to 63.70): VU0

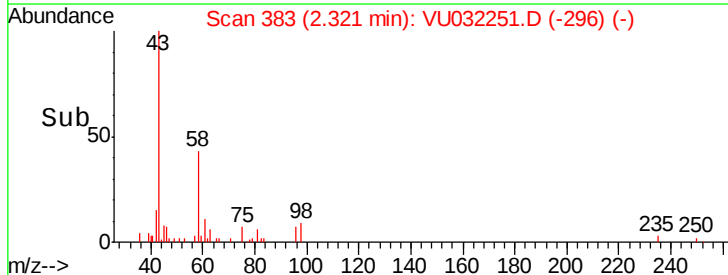
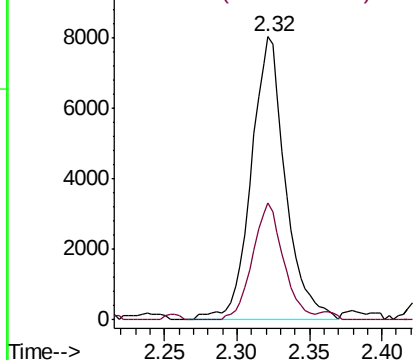


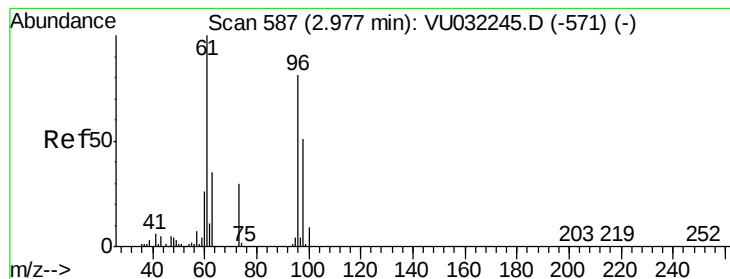
#13
 Acetone
 Concen: 7.396 ug/L
 RT: 2.32 min Scan# 383
 Delta R.T. -0.02 min
 Lab File: VU032251.D
 Acq: 23 May 2019 03:54

Tgt Ion: 43 Resp: 13291
 Ion Ratio Lower Upper
 43 100
 58 37.3 0.0 72.6



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 58.05 (57.75 to 58.75): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.459 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU032251.D

Acq: 23 May 2019 03:54

Instrument :

MSVOA_U

ClientSampleId :

E3YF1

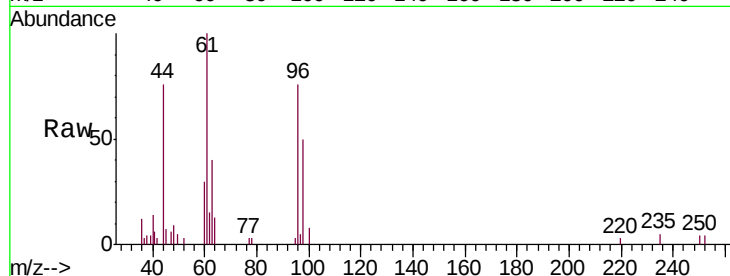
Tgt Ion: 96 Resp: 6426

Ion Ratio Lower Upper

96 100

61 130.8 90.6 168.3

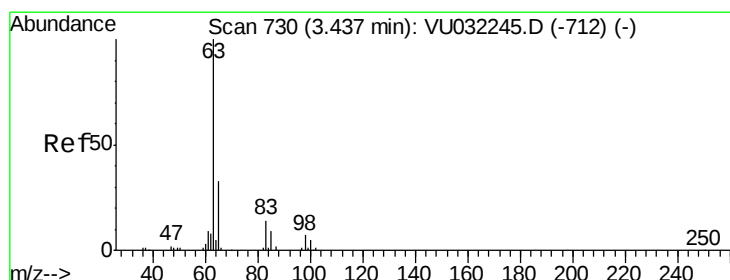
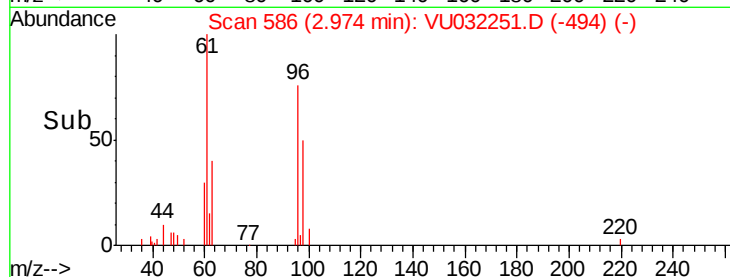
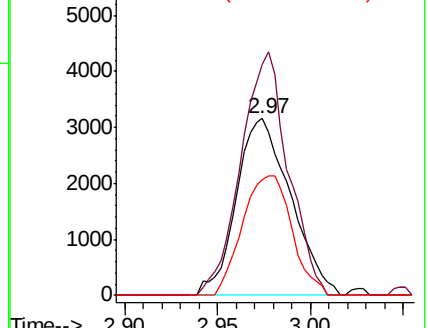
98 65.6 49.5 91.9



Abundance Ion 96.00 (95.70 to 96.70): VU032251.D (-494) (-)

Ion 61.05 (60.75 to 61.75): VU032251.D (-494) (-)

Ion 97.95 (97.65 to 98.65): VU032251.D (-494) (-)



#19

1,1-Dichloroethane

Concen: 23.745 ug/L

RT: 3.44 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU032251.D

Acq: 23 May 2019 03:54

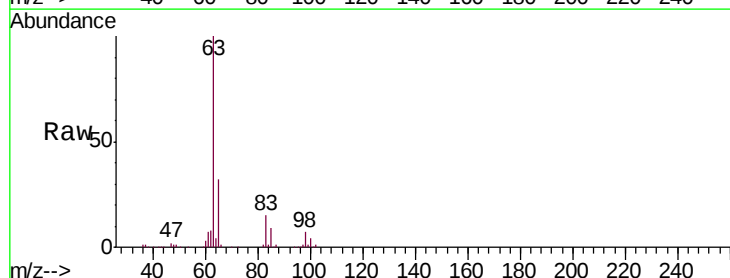
Tgt Ion: 63 Resp: 512886

Ion Ratio Lower Upper

63 100

65 32.1 23.5 43.7

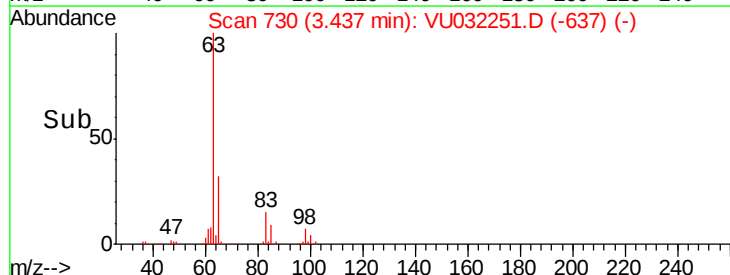
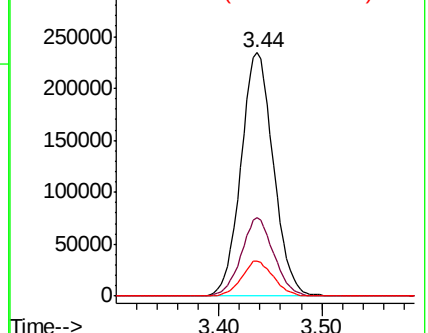
83 14.5 8.8 16.3

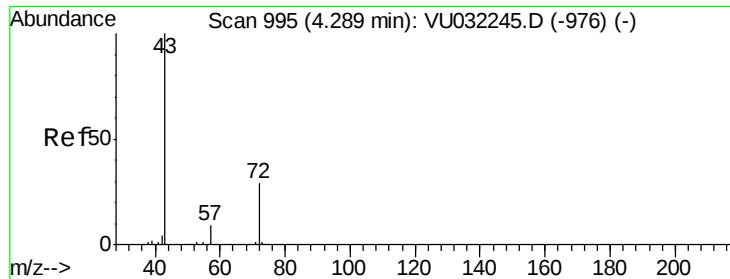


Abundance Ion 63.10 (62.80 to 63.80): VU032251.D (-637) (-)

Ion 65.10 (64.80 to 65.80): VU032251.D (-637) (-)

Ion 83.05 (82.75 to 83.75): VU032251.D (-637) (-)





#21

2-Butanone

Concen: 1.439 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.01 min

Lab File: VU032251.D

Acq: 23 May 2019 03:54

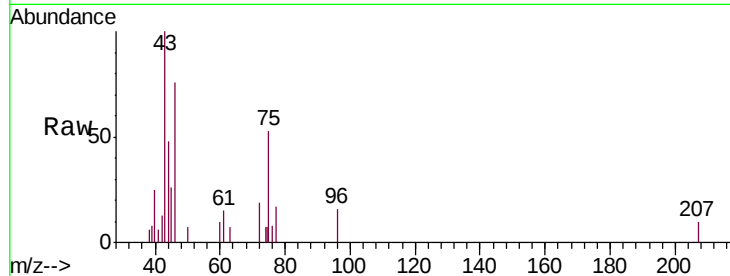
Instrument :
MSVOA_U
ClientSampleId :
E3YF1

Tgt Ion: 43 Resp: 3901

Ion Ratio Lower Upper

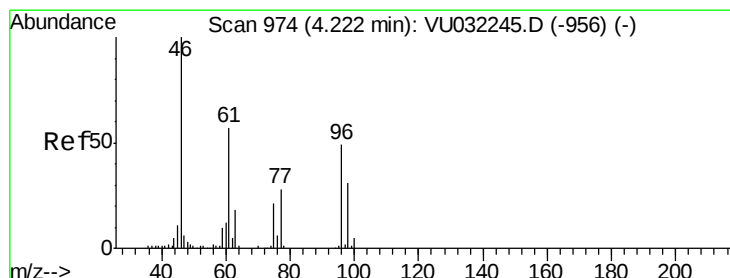
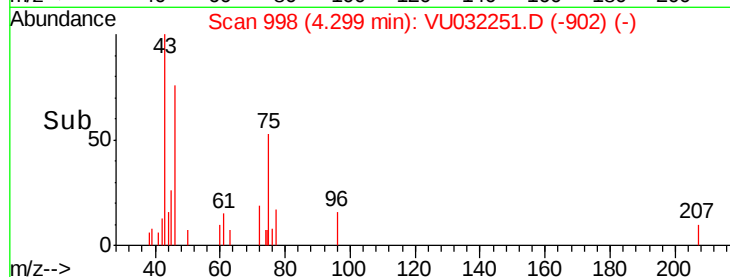
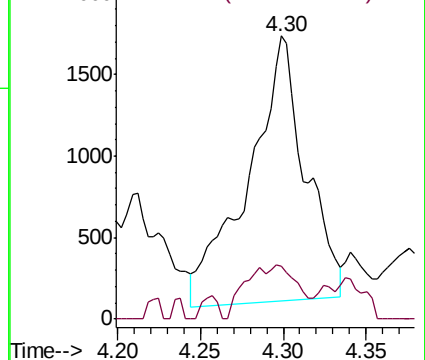
43 100

72 18.3 15.2 45.6



Abundance Ion 43.05 (42.75 to 43.75): VU032245.D (-976) (-)

Ion 72.10 (71.80 to 72.80): VU032245.D (-976) (-)



#22

cis-1,2-Dichloroethene

Concen: 3.400 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU032251.D

Acq: 23 May 2019 03:54

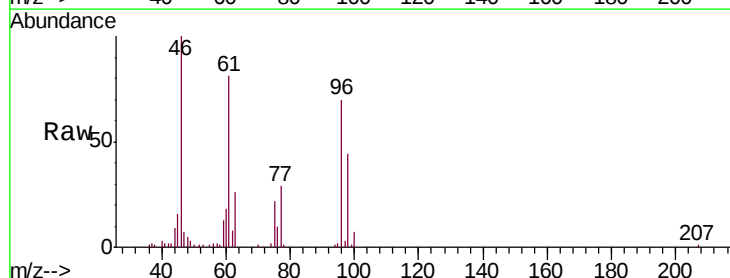
Tgt Ion: 96 Resp: 46422

Ion Ratio Lower Upper

96 100

61 114.8 82.5 153.1

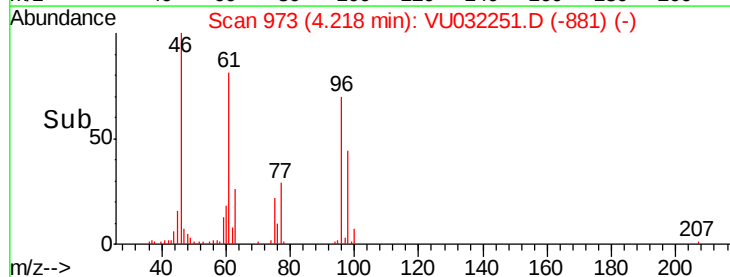
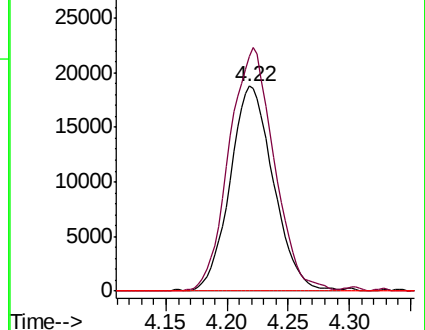
68 0.0 0.0 0.0

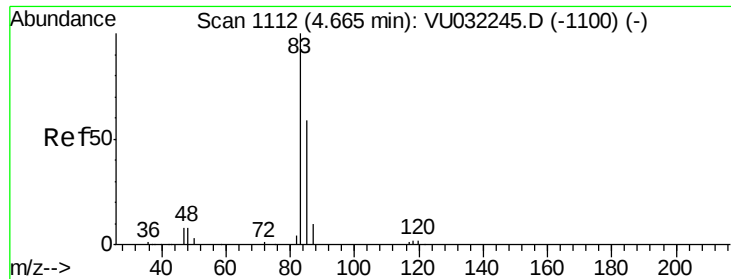


Abundance Ion 96.00 (95.70 to 96.70): VU032245.D (-956) (-)

Ion 61.05 (60.75 to 61.75): VU032245.D (-956) (-)

Ion 68.15 (67.85 to 68.85): VU032245.D (-956) (-)





#25

Chloroform

Concen: 0.339 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU032251.D

Acq: 23 May 2019 03:54

Instrument :

MSVOA_U

ClientSampleId :

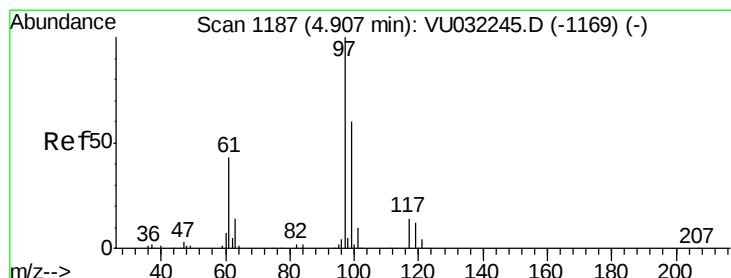
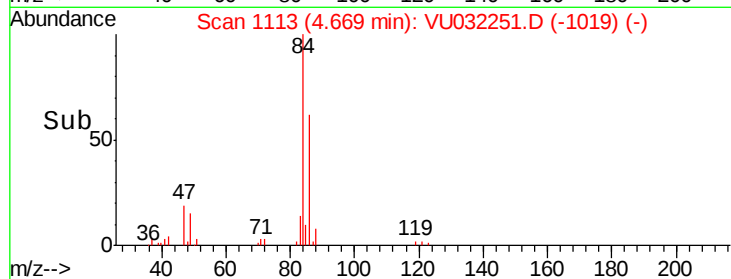
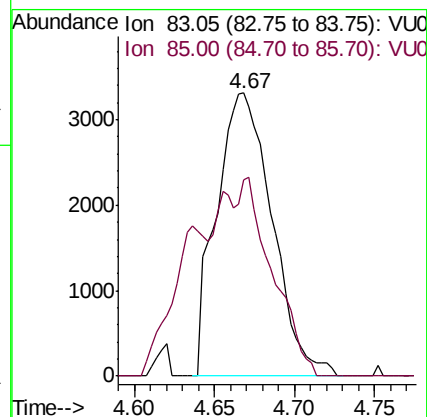
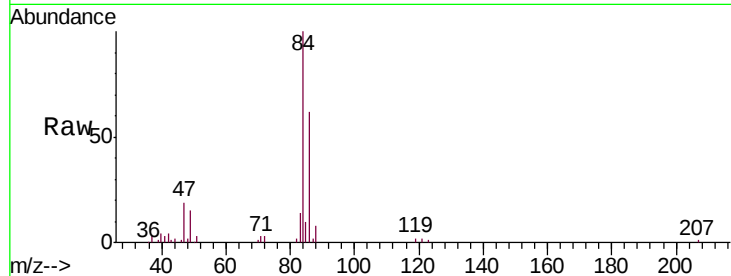
E3YF1

Tgt Ion: 83 Resp: 7905

Ion Ratio Lower Upper

83 100

85 69.6 41.6 77.3



#29

1,1,1-Trichloroethane

Concen: 24.873 ug/L

RT: 4.91 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU032251.D

Acq: 23 May 2019 03:54

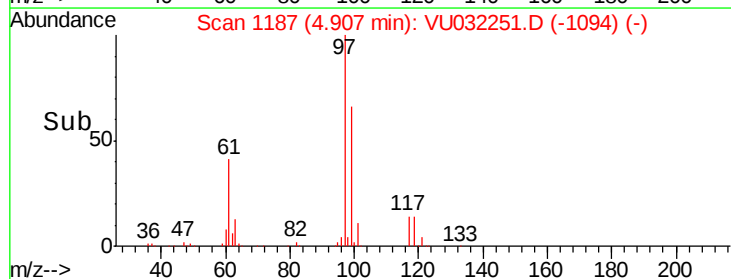
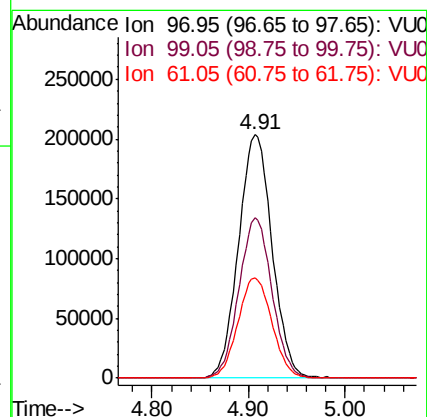
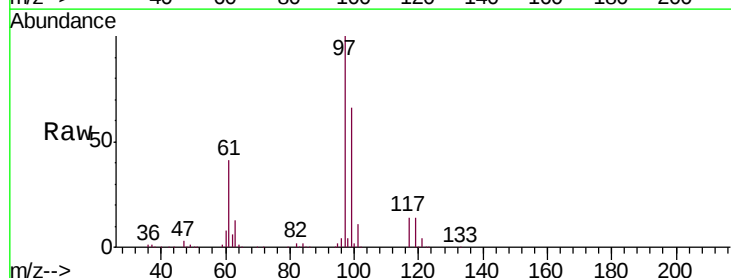
Tgt Ion: 97 Resp: 491559

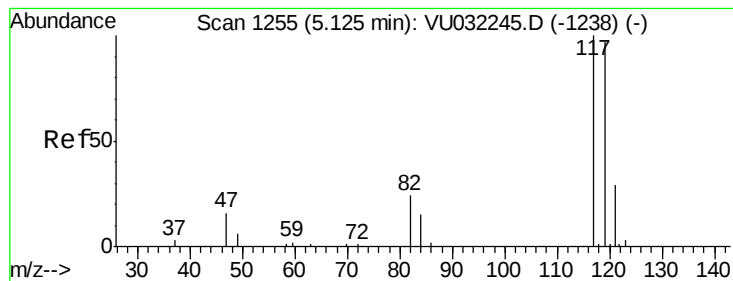
Ion Ratio Lower Upper

97 100

99 64.6 50.3 75.5

61 41.8 34.1 51.1





#31

Carbon tetrachloride

Concen: 3.864 ug/L

RT: 4.91 min Scan# 1187

Delta R.T. -0.22 min

Lab File: VU032251.D

Acq: 23 May 2019 03:54

Instrument :

MSVOA_U

ClientSampleId :

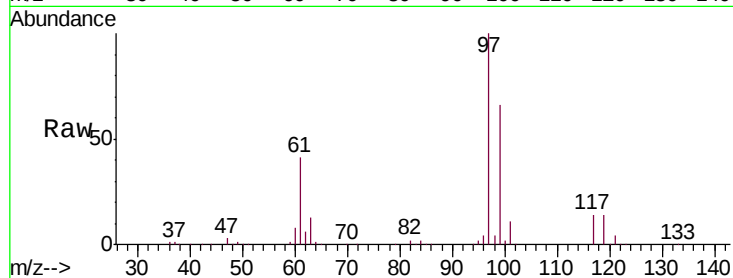
E3YF1

Tgt Ion:117 Resp: 67272

Ion Ratio Lower Upper

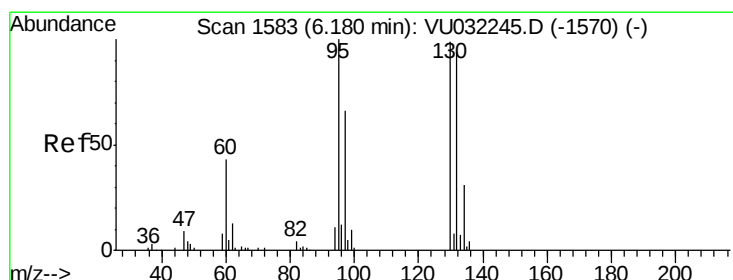
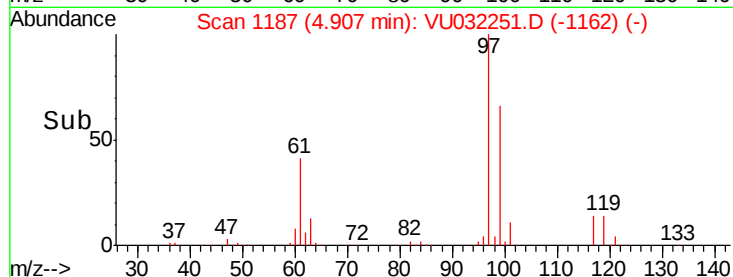
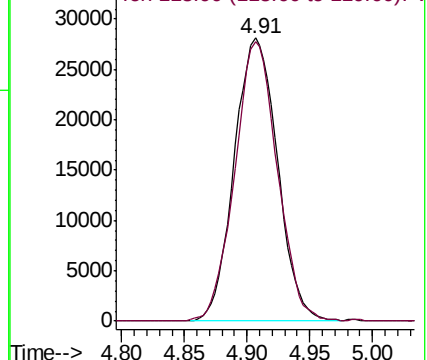
117 100

119 97.3 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 4.676 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032251.D

Acq: 23 May 2019 03:54

Tgt Ion: 95 Resp: 64632

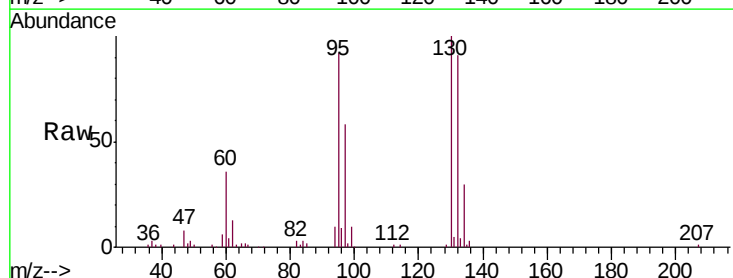
Ion Ratio Lower Upper

95 100

97 62.8 39.9 74.1

132 98.2 65.9 122.5

130 108.2 70.6 131.2

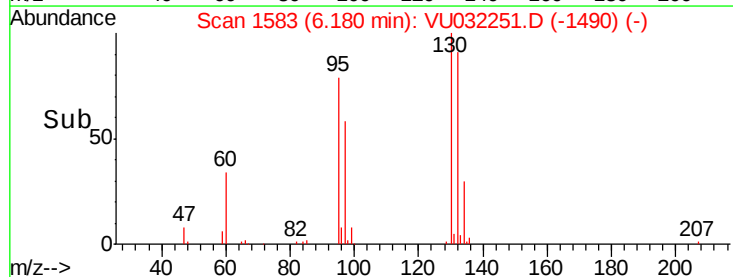
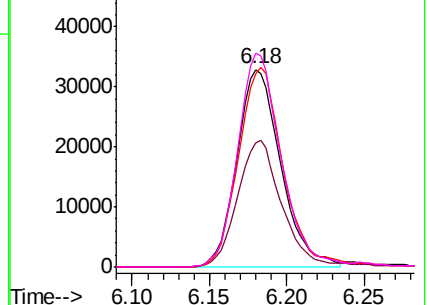


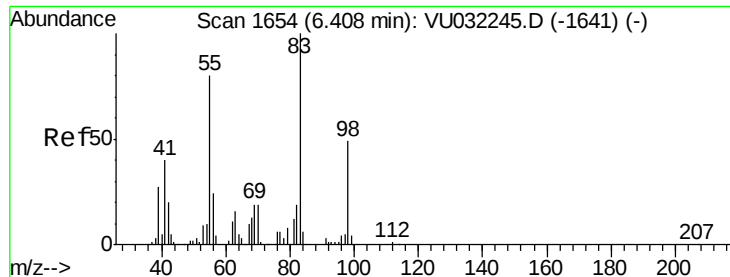
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#35

Methylcyclohexane

Concen: 1.577 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.08 min

Lab File: VU032251.D

Acq: 23 May 2019 03:54

Instrument :

MSVOA_U

ClientSampleId :

E3YF1

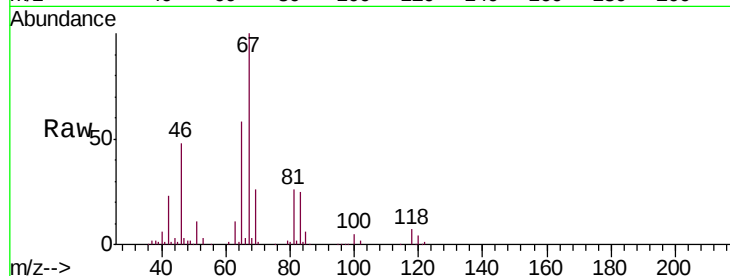
Tgt Ion: 83 Resp: 32107

Ion Ratio Lower Upper

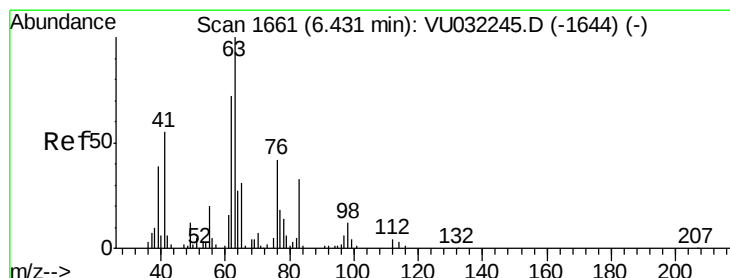
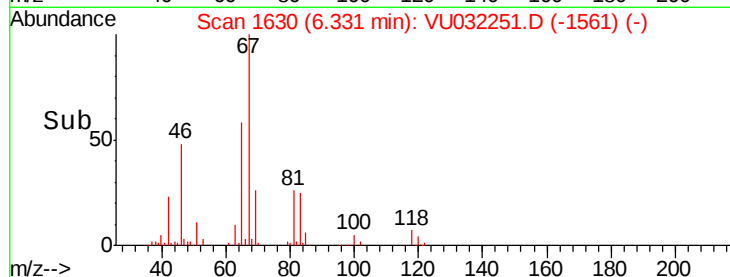
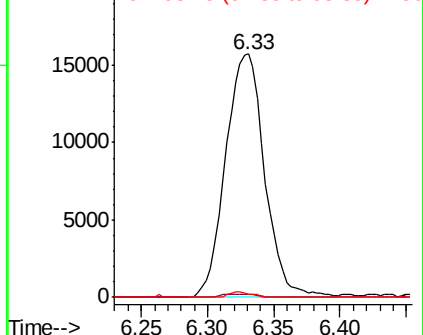
83 100

55 1.1 59.7 89.5#

98 1.2 37.5 56.3#



Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0



#37

1,2-Dichloropropane

Concen: 1.054 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU032251.D

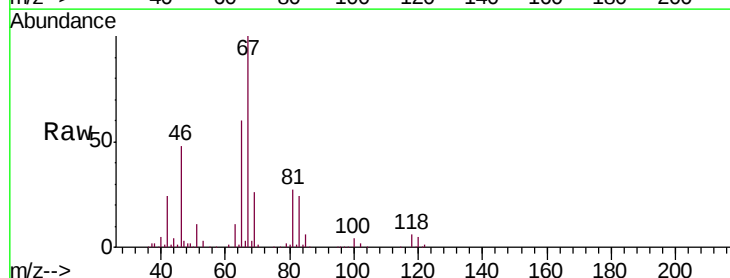
Acq: 23 May 2019 03:54

Tgt Ion: 63 Resp: 13067

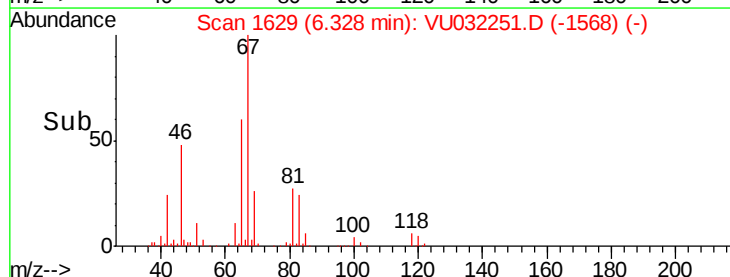
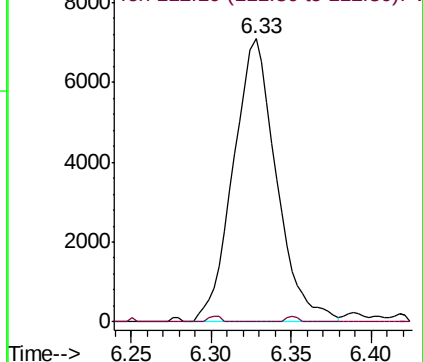
Ion Ratio Lower Upper

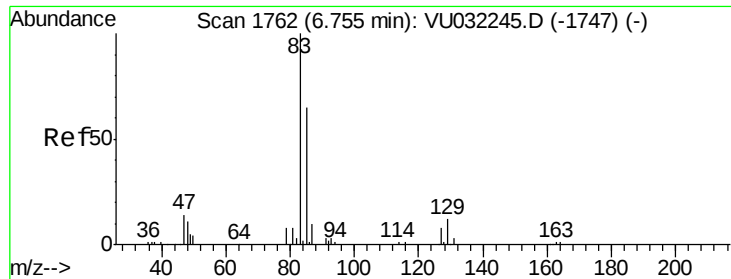
63 100

112 0.5 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.087 ug/L

RT: 6.76 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VU032251.D

Acq: 23 May 2019 03:54

Instrument :

MSVOA_U

ClientSampled :

E3YF1

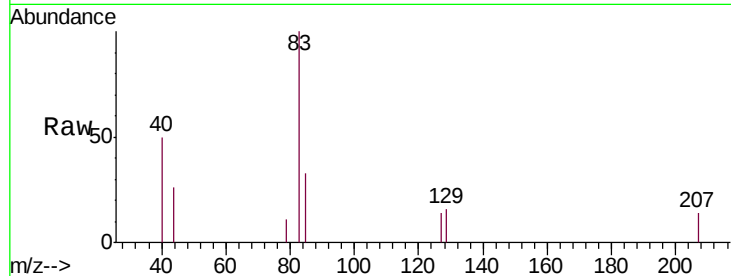
Tgt Ion: 83 Resp: 1402

Ion Ratio Lower Upper

83 100

85 32.5 44.4 82.4#

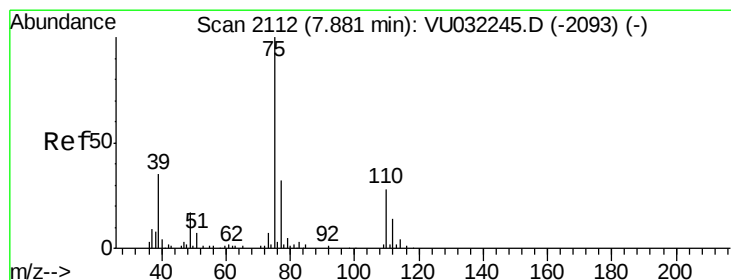
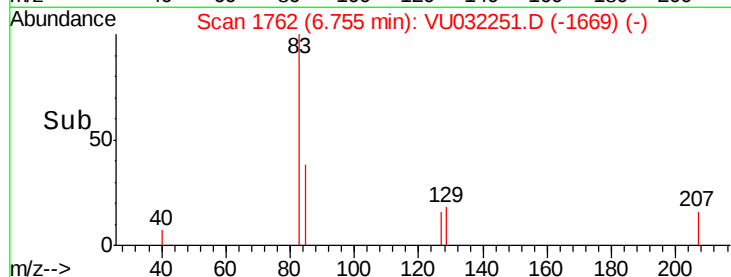
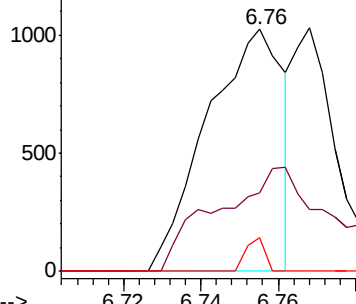
127 14.1 7.0 10.6#



Abundance Ion 82.95 (82.65 to 83.65): VU032251.D (-1669) (-)

Ion 85.00 (84.70 to 85.70): VU032251.D (-1669) (-)

Ion 126.90 (126.60 to 127.60): VU032251.D (-1669) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.125 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.03 min

Lab File: VU032251.D

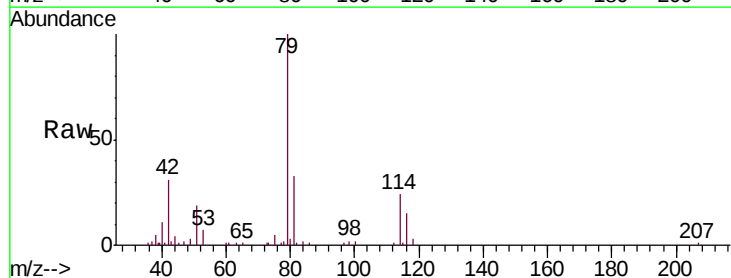
Acq: 23 May 2019 03:54

Tgt Ion: 75 Resp: 1736

Ion Ratio Lower Upper

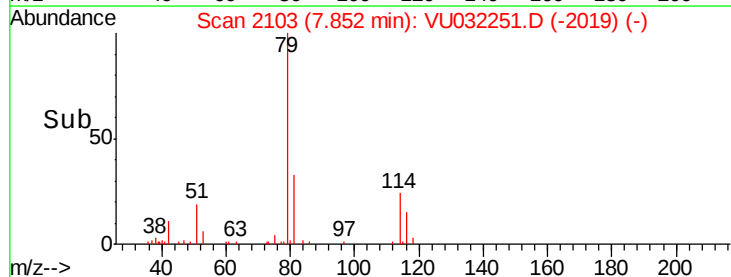
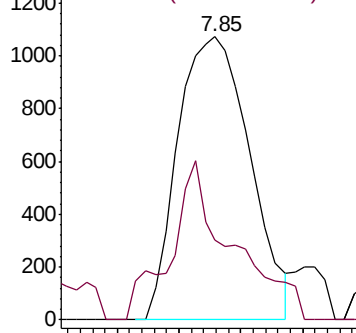
75 100

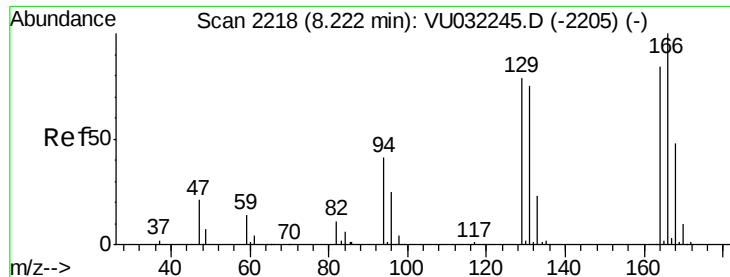
77 28.1 22.5 41.9



Abundance Ion 75.05 (74.75 to 75.75): VU032251.D (-2019) (-)

Ion 77.05 (76.75 to 77.75): VU032251.D (-2019) (-)

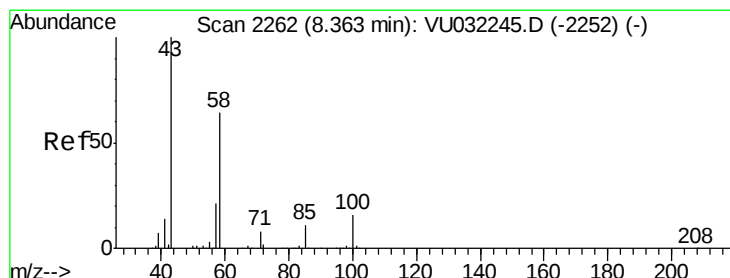
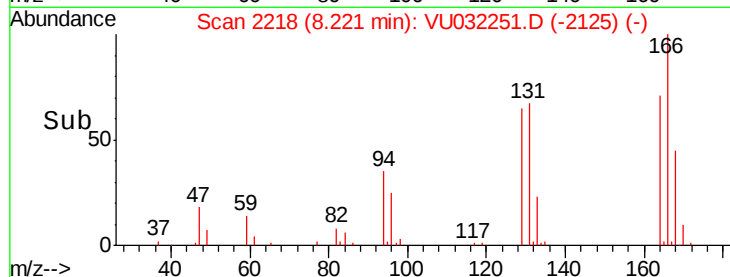
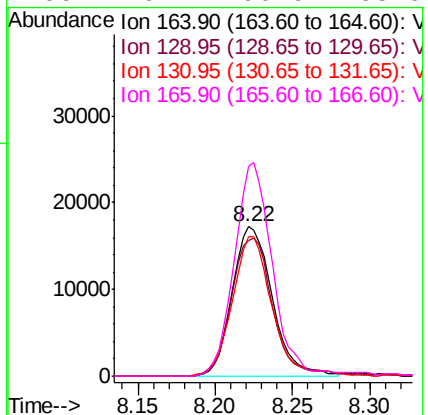
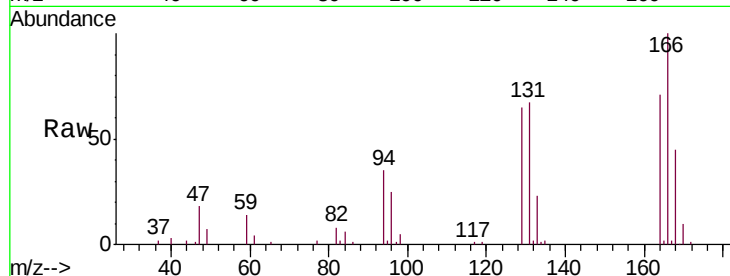




#47
Tetrachloroethene
Concen: 2.716 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU032251.D
Acq: 23 May 2019 03:54

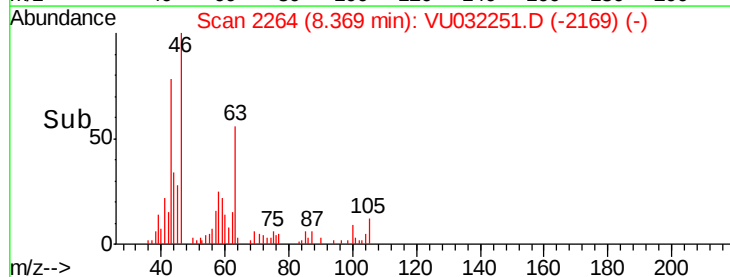
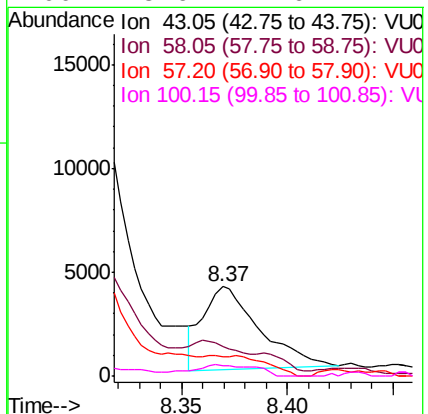
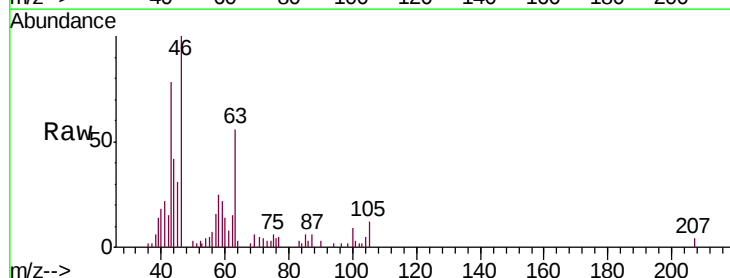
Instrument :
MSVOA_U
ClientSampleId :
E3YF1

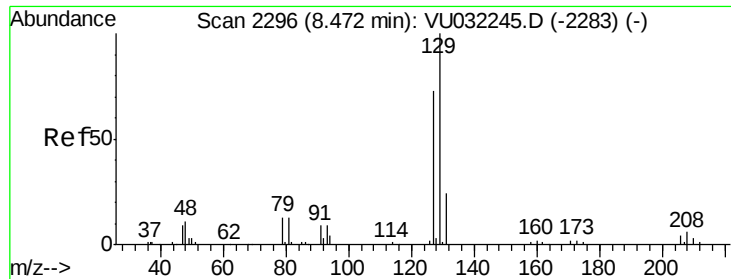
Tgt Ion:164 Resp: 30988
Ion Ratio Lower Upper
164 100
129 91.1 67.1 124.7
131 93.5 62.2 115.4
166 140.2 90.9 168.9



#48
2-Hexanone
Concen: 1.540 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU032251.D
Acq: 23 May 2019 03:54

Tgt Ion: 43 Resp: 7404
Ion Ratio Lower Upper
43 100
58 14.3 49.7 74.5#
57 0.0 17.1 25.7#
100 15.6 11.6 17.4





#49

Dibromochloromethane

Concen: 2.719 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.25 min

Lab File: VU032251.D

Acq: 23 May 2019 03:54

Instrument :

MSVOA_U

ClientSampleId :

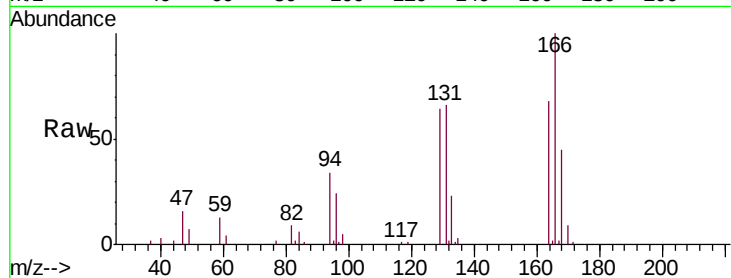
E3YF1

Tgt Ion:129 Resp: 29637

Ion Ratio Lower Upper

129 100

127 0.0 51.7 95.9#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.22

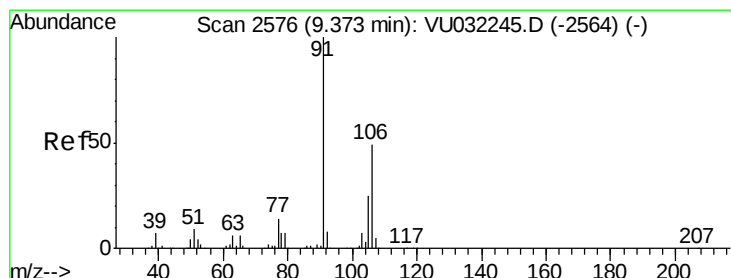
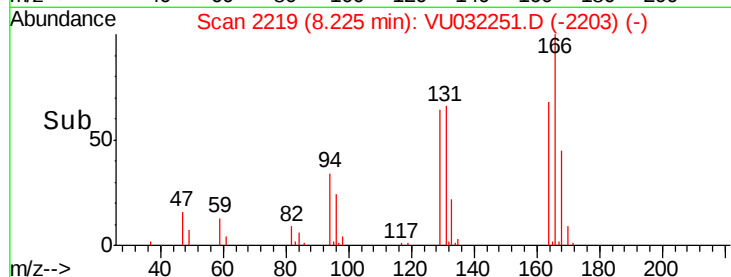
15000

10000

5000

0

Time--> 8.15 8.20 8.25 8.30



#53

m,p-Xylene

Concen: 0.466 ug/L

RT: 9.38 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VU032251.D

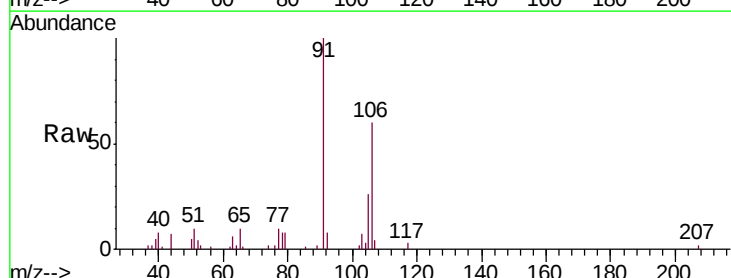
Acq: 23 May 2019 03:54

Tgt Ion:106 Resp: 9552

Ion Ratio Lower Upper

106 100

91 167.2 143.9 267.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

9.38

10000

8000

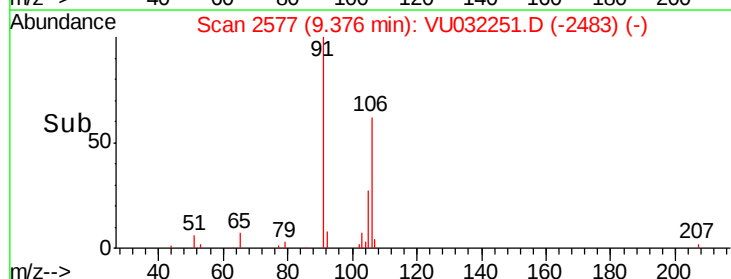
6000

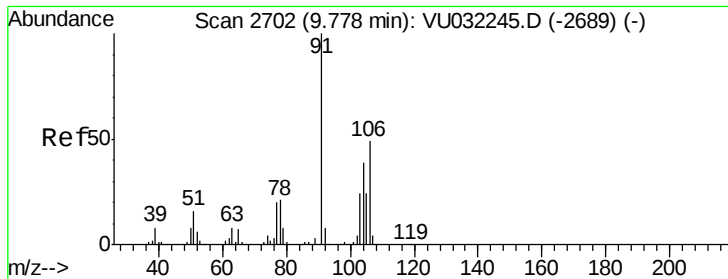
4000

2000

0

Time--> 9.30 9.35 9.40 9.45

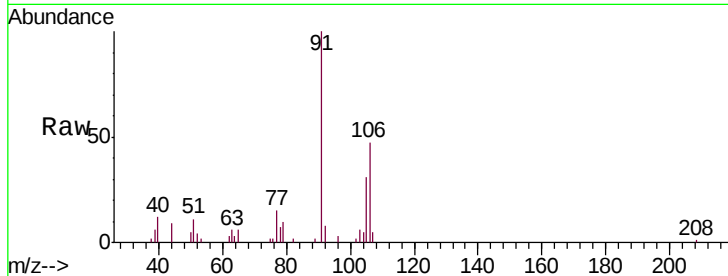




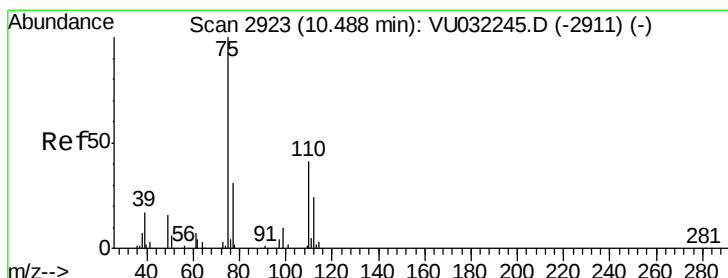
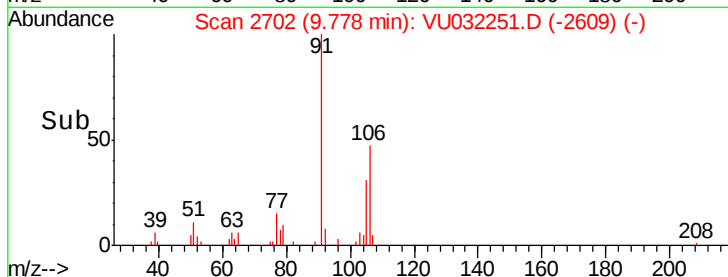
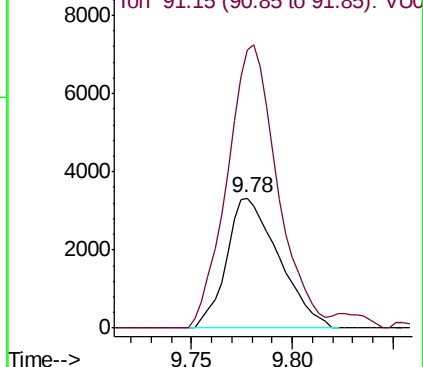
#54
o-Xylene
Concen: 0.295 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. -0.00 min
Lab File: VU032251.D
Acq: 23 May 2019 03:54

Instrument :
MSVOA_U
ClientSampleId :
E3YF1

Tgt Ion: 106 Resp: 6041
Ion Ratio Lower Upper
106 100
91 214.8 147.8 274.4

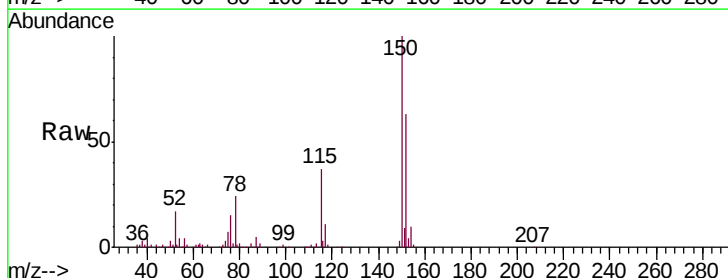


Abundance Ion 106.15 (105.85 to 106.85): VU032245.D (-2689) (-)
Ion 91.15 (90.85 to 91.85): VU032245.D (-2689) (-)



#59
1,2,3-Trichloropropane
Concen: 1.834 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU032251.D
Acq: 23 May 2019 03:54

Tgt Ion: 75 Resp: 14814
Ion Ratio Lower Upper
75 100
77 39.7 28.2 42.4



Abundance Ion 75.00 (74.70 to 75.70): VU032245.D (-2911) (-)
Ion 77.00 (76.70 to 77.70): VU032245.D (-2911) (-)

